

Message Text

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ACTION EUR-12

INFO OCT-01 ISO-00 EURE-00 HUD-02 L-03 EB-08 COME-00
CIAE-00 INR-07 NSAE-00 NSF-02 OES-07 /042 W
-----108931 051311Z /46
P 050912Z AUG 77
FM AMEMBASSY MOSCOW
TO SECSTATE WASHDC PRIORITY 639

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DEPT PASS HUD FOR HANCOCK
DEPT FOR EUR/SOV

EO 11652: NA
TAGS: TGEN US UR
SUBJECT: US-USSR HOUSING AGREEMENT: JOINT COMMITTEE MEETING:
SOVIET DRAFT REPORT ON WORKING GROUP 10.04, "CONSTRUCTION IN
SEISMIC AREAS."

REF: STATE 162274

1. ON AUGUST 3 THERENT'YEV GAVE EMBOFF SOVIET DRAFT REPORT
ON ACTIVITIES OF SUBJECT WORKING GROUP (WG) ALONG WITH COVERING
LETTER FROM ITS SOVIET CO-CHAIRMAN, S.V. POLYAKOV, TO HIS
U.S. COUNTERPART, CHARLES THIEL. EMB IS SENDING INFORMAL
TRANSLATION AND SUMMARY OF LENGTHY DOCUMENT TELEGRAPHICALLY
SO HUD WILL HAVE INFORMATION BEFORE EXECUTIVE SECRETARIAT
MEETING AUGUST 9. ORIGINAL BEING POUCHED (REGISTRY NUMBER
3584869.)

2. FOR DEPT: PLEASE ENSURE THAT HANCOCK OF HUD RECEIVES THIS
TELEGRAM BEFORE EXECUTIVE SECRETARIAT MEETING. INFORMAL
EMB TRANSLATIONS AND SUMMARY FOLLOWS:

3. DEAR MR. THEIL:
CONSIDERING THAT THE WG REPORTS FOR THE SECOND JOINT COMMITTEE
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MEETING (JCM) SHOULD BE 15-20 MINUTES LONG, I DO NOT BELIEVE
THAT YOUR DRAFT REPORT WILL SATISFY THE JCM. I AM THEREFORE
SENDING YOU A DRAFT REPORT WHICH REFLECTS THE PLAN OF COOPERATION
WUNT YOU THIS YEAR. IF YOU HAVE ANY COMMENTS
PLEASE GIVE THEM TO MR. O.M. THERENT'YEV, WHO WILL
BE IN WASHINGTON FROM AUGUST 9-16.
23 3/03:53\$ 285# 8,5343 5 5#3 -448;-) 9* 5#3 7.S.

EXPERTS IN MOSCOW THIS YEAR. JUDGING FROM YOUR LETTER
YOU WOULD LIKE TO POSTPONE THIS MEETING FOR A YEAR.
IF THE AMERICAN SIDE IS NOT PREPARED TO CARRY OUT
THE JOINT WORK, WE ARE OF COURSE FORCED TO AGREE
WITH YOUR PROPOSAL, ALTHOUGH WE, ON THE CONTRARY, CONSIDER
THAT IT WOULD BE BETTER TO ACCELERATE THE WORK.
WE PROPOSE AT THE PRESENT MOMENT TO BEGIN JOINT
ACTIVITY WITH THE DESIGN NORMS OF CONSTRUCTION
IN SEISMIC ZONES, UNIFYING THE NORMS OF THE
U.S. AND USSR IN THOSE AREAS WHICH TURN OUT
TO BE ACCEPTABLE FOR BOTH SIDES. THE U.S. IS COMPLETING
PREPARATIONS FOR THE PUBLICATION OF NEW DESIGN NORMS.
THE USSR IS ABOUT IN THE SAME POSITION. THUS BOTH
COUNTRIES HAVE NEW NORMS EMBODYING THE LATEST
EXPERIENCE AND RESEARCH, WHICH SHOULD PROVIDE A
BASIS FOR MUTUAL DISCUSSION AND ENRICHMENT.
CONCERNING YOUR PROPOSAL TO ESTABLISH A SEISMOLOGICAL
NETWORK I HAVE ALREADY TOLD YOU THAT I BELIEVE
THIS PROJECT CAN BE CARRIED OUT WITHOUT DELAY.
HOWEVER, WE CONSIDER IT USEFUL TO FULFILL THE
PROTOCOL SIGNED IN MAY-JUNE, 1976, AND ARE PREPARED
TO ACCEPT A GROUP OF AMERICAN SPECIALISTS THIS YEAR
AND TO SEND A CORRESPONDING GROUP OF SOVIET SPECIALISTS
TO THE U.S. I SENT YOU SEVERAL LETTERS ABOUT THE
TRIP OF THE U.S. SPECIALISTS, BUT UNFORTUNATELY
I DID NOT RECEIVE A SINGLE ANSWER. I THINK IT WOULD
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BE DESIREABLE TO ANSWER EACH LETTER THAT ONE RECEIVES.
UNTIL THE LAST MOMENT WE MADE PREPARATIONS TO RECEIVE AT
A HIGH LEVEL THE AMERICAN SPECIALISTS IN FEBRUARY OF
THIS YEAR, IN ACCORDANCE WITH THE PROTOCOL.
IN YOUR REPORT YOU MENTIONED THAT YOU SENT US
170 PUBLICATIONS. WE THANK YOU FOR THIS INTERESTING
MATERIAL. IN THE SOVIET UNION SCIENTIFIC WORK IS
PUBLISHED IN COLLECTIONS RATHER THAN IN INDIVIDUAL
ARTICLES. WE HAVE SENT YOU 53 WORKS, WHICH INCLUDE
270 ARTICLES. I MUST ALSO POINT OUT THAT OUR BOOKS
USE SMALLER TYPE.
I WOULD ALSO LIKE TO CALL YOUR ATTENTION TO THE
FACT THAT THE PROTOCOL DOES NOT MAKE THE EXCHANGE
OF LITERATURE THE BASIS FOR BEGINNING THE WORK OF
THE GROUP OF EXPERTS. I HOPE THAT DURING THE JCM
I WILL BE ABLE TO DISCUSS AND DECIDE WITH YOU ALL
QUESTIONS CONCERNING THE ACTIVITIES OF WG 10.04.
SINCERELY, S.V. POLYAKOV.

4. SOVIET DRAFT REPORT OF ACTIVITIES OF WG 10.04
BEGINS WITH SUMMARY OF CONTENTS OF PROTOCOL AND OTHER
DOCUMENTS SIGNED AT FIRST JCM MAY 26-29, 1976

IN WASHINGTON. REPORT THEN ANALYZES MAIN TASKS
OF EACH MUTUALLY AGREED PROJECT AS SOVIETS SEE THEM.
PROJECT 1.1 --"MASS CONSTRUCTION OF BUILDINGS
WITH BEARING WALLS"
TASK OF THIS PROJECT IS TO DEVELOP NEW BUILDINGS
OF MASS CONSTRUCTION ON THE BASIS OF THE MOST ADVANCED
SCHEMES, USING VARIOUS TYPES OF MASONRY.
PROJECT 1.2 -"MEASURES FOR REDUCING SEISMIC EFFECTS
ON BUILDINGS."
COOPERATION IN THIS PROJECT WILL DEVELOP IN THE
FOLLOWING MANNER:
1) WORKING OUT NEW CONSTRUCTION METHODS TO REDUCE
SEISMIC LOAD OF BUILDINGS.
2) WORKING OUT NORMS TO CALCULATE MORE FULLY BEARING
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RESERVES OF VARIOUS TYPES OF CONSTRUCTION.
3) DEVELOPMENT OF METHODS OF DESIGN OF SEISMICALLY STABLE
BUILDINGS.

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FINAL RESULTS OF THIS PROJECT SHOULD BE 1) CREATION
OF NEW, FRAME BUILDINGS USING LIGHT CONCRETE AND
OTHER NEW MATERIALS 2) WORKING OUT BASIC NORMS
OF SEISMIC STABILITY AND 3) DEVELOPING NEW PRINCIPLES
OF ECONOMIC CONSTRUCTION OF SEISMICALLY STABLE
BUILDINGS.
PROJECT 1.3"REPAIR OF BUILDINGS AFTER EARTHQUAKES."

GOAL IS EXCHANGE AND PRACTICAL USEAGE OF EXPERIENCE
WHICH BOTH COUNTRIES HAVE ACCUMULATED IN THIS FIELD.
MEANS OF COOPERATION ARE:

- 1) STUDY OF CONCRETE REPAIR WORK
- 2) USE OF LABORSAVING DEVICES IN EARTHQUAKE REPAIR WORK.

FINAL RESULTS SHOULD BE TO:

- 1) WORK OUT METHODS FOR INVESTIGATING EARTHQUAKE DAMAGE BUILDINGS
- 2) DEVELOP CRITERIA FOR EVALUATING EFFECTIVENESS OF REPAIR WORK
- 3) WORK OUT PRINCIPLES OF RESTORATION OF EARTHQUAKE DAMAGED BUILDINGS.
- 4) DEVELOP PRINCIPLES OF ORGANIZATION OF MASSIVE REPAIR WORK.

PROJECT 2.1 "THEORY OF SEISMIC STABILITY AND USE
OF RESEARCH WITH MODELS AND NATURAL OBJECTS"
COOPERATION SHOULD DEVELOP IN THE FOLLOWING FASHION:

- A) THEORY OF SEISMIC STABILITY

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- USE OF COMPUTERS TO CALCULATE EFFECTIVENESS OF SEISMIC PROTECTION MEASURES
- JOINT RESEARCH TO FIND OPTIMUM SCALE AND METHOD OF EARTHQUAKE RESISTANT CONSTRUCTION
- JOINT RESEARCH INTO THE INTERACTION OF LARGE STRUCTURES WITH THE SOIL
- B) IN EXPERIMENTAL RESEARCH
- FORCED STUDY OF NEW SEISMICALLY PROTECTED STRUCTURES
- JOINT DEVELOPMENT BY SOVIET AND AMERICAN SPECIALISTS OF BETTER EXPERIMENTAL EQUIPMENT.

THE PROJECT SHOULD HAVE THE FOLLOWING FINAL RESULTS:

1. TEXT OF NEW PRESCRIBED NORMS OF SEISMIC STABILITY
2. WORKING OUT STANDARD MATHEMATICAL MODELS OF SEISMIC MOTION AND PRACTICAL APPLICATION OF THESE MODELS TO JOINT SEISMIC NORMS
3. DEVELOPMENT OF MODELS OF FRAMED BUILDINGS
4. CREATION OF NEW, MORE ECONOMIC SYSTEMS OF SEISMIC PROTECTION
5. PRODUCTION OF NEW EXPERIMENTAL EQUIPMENT

PROJECT 2.2 "MEASURING THE MOTION OF BUILDINGS
DURING EARTHQUAKES AND THE INSTRUMENTALIZATION OF BUILDINGS."

THE PROJECT WILL DEVELOP IN THE FOLLOWING AREAS:

- 1) DEVELOPMENT OF SEISMIC MONITORING NETWORK
2. ANALYSIS AND DEVELOPMENT OF INFORMATION OBTAINED BY SEISMIC MONITORING NETWORK.
3. DEVELOPMENT OF PRINCIPLES OF COLLECTION, PRIMARILY ANALYSIS, PRESERVATION, AND DISTRIBUTION OF SEISMIC DATA

FINAL RESULTS SHOUD BE TO WORK OUT RECOMMENDATIONS ON:

A) ORGANIZATION AND PLACEMENT OF SEISMIC MONITORING
NETWORK

B) METHODS OF PREPARATION OF SEISMIC INFORMATION
FOR FINAL ANALYSIS BY COMPUTER
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C) ORGANIZATION OF SEISMIC MONITORING NETWORK
USING SOVIET AND AMERICAN EQUIPMENT

D) PUBLICATION OF A JOINT WORK IN RUSSIAN AND IN
ENGLISH "INSTRUMENTAL DATA OF SEISMIC MONITORING
NETWORK IN THE USSR AND THE USA."
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Message Attributes

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